

AMENDMENT TO THE SPECIFICATION

Please amend the Abstract as follows:

~~A converter controller is presented for controlling a converter. The converter has a transformer, which has a primary and a secondary coil. The~~ A converter-controller includes a power device, coupled to the primary coil of ~~the a~~ a transformer, a resonant circuit, coupled to the primary coil and the power device, a voltage regulator, coupled to the resonant circuit, and a control logic, coupled to the voltage regulator. The converter-controller does not need a snubber circuit ~~and therefore can be operated efficiently. Further, the transformer structure of~~ the converter-controller does not need additional auxiliary windings around the transformer core ~~and thus has a simpler transformer structure.~~ The described converter-controller makes it possible to use low voltage integrated circuits in high voltage applications.

AMENDMENT TO THE CLAIMS

The following is a detailed listing of all claims that are pending in the Application.

1. (Currently amended) A converter-controller, operable to control a converter having a transformer, the transformer having a primary and a secondary coil, the converter-controller comprising:

a power device, coupled to the primary coil of the transformer;

a resonant circuit, coupled to the primary coil and the power device;

a voltage regulator, coupled to the resonant circuit; and

a control logic, coupled to the voltage regulator, wherein the control logic is configured to operate the power device at an essentially constant frequency by varying the length of switch-ON and switch-OFF intervals of the power device.